

GAS TURBINE COMBUSTOR

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ABSTRACT OF THE DISCLOSURE

10 A gas turbine combustor in which a part or all of
the wall of the combustor disposed within an intake
chamber is formed as an acoustic energy absorbing member
that can absorb the acoustic energy of a combustion
variation generated within the combustor. The acoustic
energy absorbing member is constructed of a thin
corrugated plate in a circumferential direction, a high-
15 temperature-proof perforated material, or a back plate
disposed at the outside of a perforated plate in a radial
direction with a distance from the perforated plate. It
is also possible to provide a covering member at the
outside of the acoustic energy absorbing member in a
20 radial direction, for covering the acoustic energy
absorbing member with a distance from the acoustic energy
absorbing member. It is preferable that the acoustic
energy-absorbing member and/or the covering member are
reinforced with a frame that extends in a circumferential
25 direction and/or a longitudinal direction.